



FEDERAL SECURITY AGENCY  
PUBLIC HEALTH SERVICE  
WASHINGTON 25, D. C.

IN REPLYING, ADDRESS THE  
PUBLIC HEALTH SERVICE

REFER TO:

Tbc. Research Laboratory,  
411 East 69th St., New York 21, N. Y.

April 4, 1950.

Dr. Joshua Lederberg,  
Department of Genetics,  
University of Wisconsin,  
College of Agriculture,  
Madison 6, Wisconsin.

Dear Josh:

Several of our amino acid mutants were negative for 2 or more fermentations. Bernie suggests that the fermentations may be affected by the physiological state, as mucoid growth seems to be. That could explain the aberrant behavior of fermentation markers.

Again, is it possible that as you added more fermentation mutations to your W677, some of the later ones were pleiotropic and duplicated some of the earlier non-fermenting characters such as maltose? This would adequately explain all my results, and I think it would also explain the apparent 2-stage reduction for which you have postulated autogamy.

Sincerely,

*Gordon*

Gordon Allen

GA/h1

*postcard reply.*